4. (Once amended) The light emitting flat panel display claimed in claim 2, wherein the display is a color display having groups of differently colored light emitting diodes and further comprising a separate sensor for each group in the flat-panel display and wherein there is a different pre-determined criterion for each group.

5. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the light emitting diodes, the sensor, and the controller are integrated on a common substrate.

6. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the light emitting diodes, the sensor, and the controller are contained within a common package.

7. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the display further comprises an addressable memory connected to the controller and wherein the signal representing the remaining useful life of the display is stored in the memory and accessible external to the display.

8. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the controller includes means for generating an interrupt signal when the remaining useful life of the display is less than a pre-determined criterion for communication to a device external to the display.

9. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the signal representing the remaining useful life of the display has a range of values corresponding to the expected life-time of the display.

10. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the signal representing the remaining useful life of the display is a binary value representing whether or not the display has reached the end of useful life.

11. (Once amended) The light emitting flat panel display claimed in claim 1, wherein the diodes are organic light emitting diodes.